



Information Assurance Training & Awareness Products & Resources

*George Bieber
Defense-wide IA Program (DIAP)
(703) 602-9980
George.Bieber@osd.mil*



Agenda



**Training and awareness opportunities
available to federal employees**



Army Reserve Readiness Training Center (ARRTC) - 1



Ft McCoy, Wisconsin: <http://arrtc.mccoy.army.mil>



**Open to federal employees;
contact
RIM@arrtc-exch.mccoy.army.mil
or call
608-388-7307 or 1-800-982-3585,
*x 7307***



- ◆ **Physical Security Basic Course**
- ◆ **Security Manager Course**
- ◆ **DITSCAP (DOD Information Technology Security Certification and Accreditation Process)**

**Scot Wiedenfeld
scot.wiedenfeld1@us.army.mil
Comm: 608-388-7293
DSN: 280-7293**



Army Reserve Readiness Training Center (ARRTC) - 2



- ◆ **Systems Administrator/Network Manager Security Course (2 weeks)**
 - ◆ Policies, Laws and Ethics
 - ◆ JAG/MI Briefing (Current Threats)
 - ◆ Windows NT 4.0/2000 Security
 - ◆ Solaris, Unix Security
 - ◆ Understanding C2 Attack Technologies
 - ◆ Web Security & Encryption
 - ◆ Communications Security
 - ◆ Cisco Router Security
 - ◆ Intrusion Detection Systems
 - ◆ Deploying Firewalls

- ◆ **Computer Network Defense Course (2 weeks)**
 - ◆ C2 Attack Technologies
 - ◆ Intranet / Extranet / Web
 - ◆ Footprinting & Enumeration
 - ◆ Forensic Examination & Preserving Evidence
 - ◆ Countermeasures
 - ◆ Advanced Communication Security
 - ◆ Advanced Cisco Router Security
 - ◆ Intrusion Detection Systems
 - ◆ Sidewinder Firewalls
 - ◆ "Latest & Greatest"

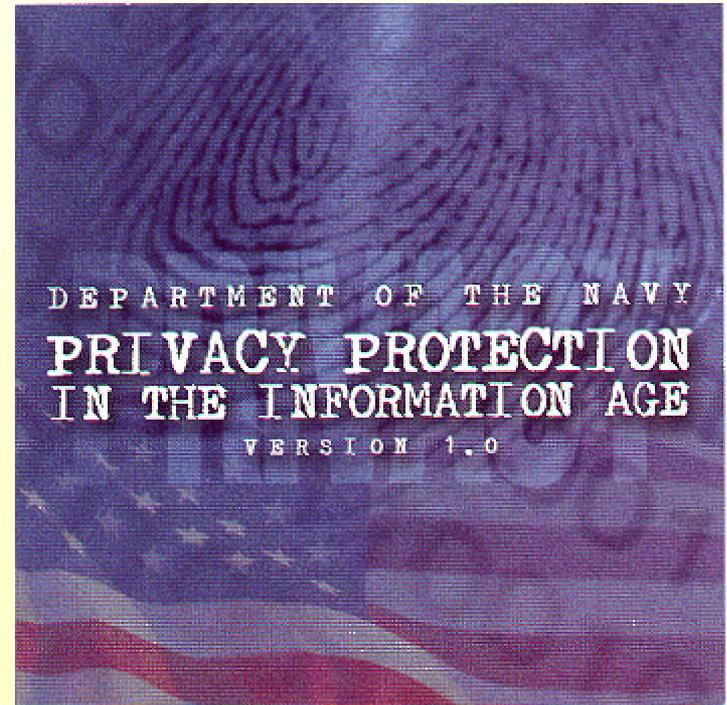


Privacy Protection in the Information Age



<http://www.don-imit.navy.mil>

- ◆ Department of the Navy CIO CD-ROM
- ◆ Federal Reserve Bank video: Its Your Identity: Protect It
- ◆ Resources
 - ◆ Public Privacy Laws and Legal Guidance
 - ◆ Public Laws
 - ◆ Executive Guidance
 - ◆ Federal Reports
 - ◆ Reading List
 - ◆ Web-sites
 - ◆ Brochures
 - ◆ Templates

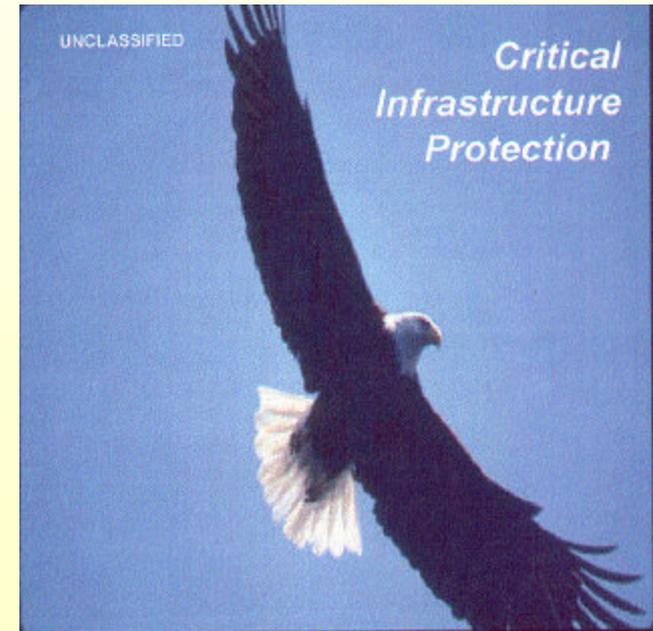




Critical Infrastructure Protection Training Resources



- ◆ Resource to help inform the DoD and other members of the Government about Critical Infrastructure Protection, CIP-related documents, and educational programs
- ◆ Topics
 - ◆ OSD CIP (Mission, Contacts, Strategy, Terrorism Timeline 88-01)
 - ◆ Training
 - ◆ CIP Team
 - ◆ Studies (Federal, Training Gap Analysis, Other)
 - ◆ Practices
 - ◆ References (Executive Orders/Directives, Federal Regulations, Publications, Slide Shows, Glossary)
- ◆ CIP POC for training and awareness:
LtCol Will Smith; wilburn.smith@osd,mil



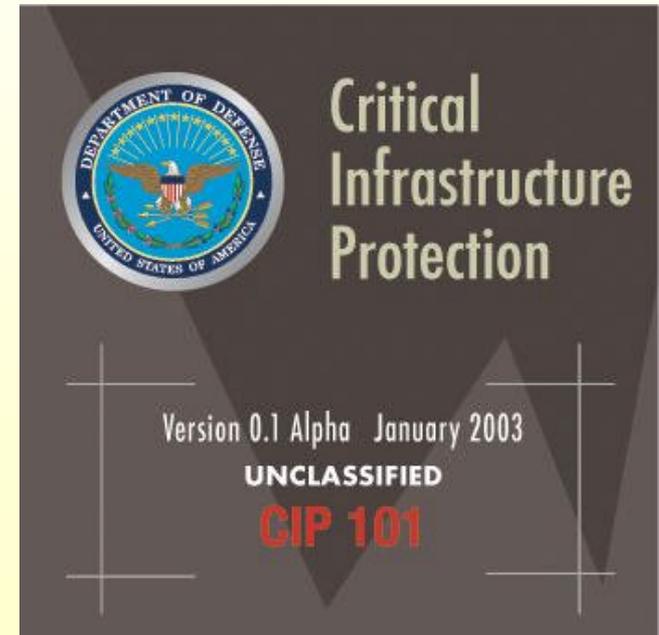
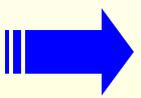


Critical Infrastructure Protection (CIP-101) WBT



- ◆ In development by OASD CIP and DISA
- ◆ When completed will be available at <http://iase.disa.mil>

- ◆ Provides basic awareness level information - CIP 101
- ◆ Contents
 - ◆ CIP Overview
 - ◆ What is CIP
 - ◆ Why is it important
 - ◆ Critical infrastructures
 - ◆ CIP Organization
 - ◆ National
 - ◆ DOD
 - ◆ Relationships
 - ◆ DOD responsibility for CIP
 - ◆ DOD Infrastructure Sectors
 - ◆ DOD CIP Life-Cycle
 - ◆ POC for CIP training & awareness: LtCol Will Smith
wilburn.smith@osd.mil



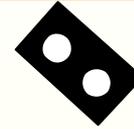


Commercial CBTs

- ◆ **SmartForce (formerly CBT Systems):**
<http://www.smartforce.com>
- ◆ **NETg:**
<http://www.netg.com>
 - ◆ **Netg is partner of new government golearn.gov training site**



Hackers - PBS



<http://www.pbs.org>

- ◆ **Public Broadcasting Service (PBS); FRONTLINE series \$20.00 (60 min)**
- ◆ **<http://www.pbs.org>**
 - ◆ **Search on “Science and Technology”**
- ◆ **Who are hackers**
- ◆ **Risks of the Internet’s vulnerabilities**
- ◆ **Who’s responsible for security**
- ◆ **How to be vigilant**
- ◆ **Interviews with hackers and security experts**

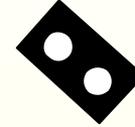
- ◆ **Also at the site:**
 - ◆ **Video transcript**
 - ◆ **Transcript of live chat that followed original broadcast**
 - ◆ **Clips from the video**



Bad Characters - NRO

- ◆ **3 vignettes; Internet works both ways**
- ◆ **Web sites can be set up to:**
 - ◆ **Collect information**
 - ◆ **Track activities**
 - ◆ **Take over your computer**
- ◆ **Web sites can be customized, altered/mirrored to:**
 - ◆ **Send/release malicious code**
 - ◆ **Messages to misinform/deceive**
- ◆ **Types of information that can be collected**
 - ◆ **Cache**
 - ◆ **Names, addresses, phone numbers**
 - ◆ **Credit card numbers**
 - ◆ **Bank account numbers**
- ◆ **Steps you can take to increase your security**

***Will be disseminated
by DISA***

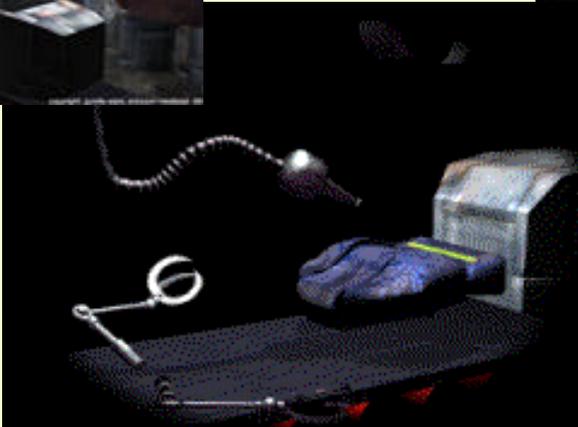




Warriors of the Net

Download at: <http://www.warriorsofthe.net>

- ◆ Animation
- ◆ Copyright 1999 Ericsson Radio Systems AB
- ◆ Free use for information purposes and non-commercial use
- ◆ Introduces internet/e-mail technology: packets, routers, firewalls



copyright: gunilla elam, ericsson mediatech-99



Awareness 2001 - IOSS

Interagency OPSEC Support Staff (IOSS)

<http://www.ioass.gov>

- ◆ ***Awareness 2001: A Security, Counterintelligence and OPSEC Update***
 - ◆ **Burning Issues (USGov)(14 min)**
 - ◆ **Intersection of classified and unclassified environments**
 - ◆ **Web Content Vulnerabilities (25 min)**
 - ◆ **Briefing by Joint Web Risk Assessment Cell (JWRAC)**
 - ◆ **Advice on how to protect information posted to the internet**
 - ◆ **Applicable to all organizations**
 - ◆ **D*I*C*E 2001 (38 min)**
 - ◆ **In the Public Domain (10 min)**



Betrayal - NCIX

The National Counterintelligence Executive (NCIX)

<http://www.ncix.gov>

- ◆ ***Betrayal: Protecting Industry Trade Secrets*** (17 min)
- ◆ **Insider threat**
- ◆ **Highlights the Avery Dennison/Four Pillars case, a joint effort by US Industry and the US Government to successfully combat economic espionage.**
- ◆ **Distributed by Filmcomm Inc., 641 North Avenue, Glendale Heights, IL 60139, phone 800-944-9134.**
- ◆ **\$13.85 per copy, (includes shipping and handling)**



IA Scholarship Programs

- ◆ ***DoD Information Assurance Program (IASP)***
 - ◆ ***Administered by NSA***
- ◆ ***National Science Foundation Scholarship for Service Program***
 - ◆ ***Administered by OPM***
 - ◆ ***Open to all federal Departments and Agencies***

Visit the Scholarship Booth Today



IA Centers of Academic Excellence (CAEs)



32 Public / Private Non-DoD Institutions

- ◆ Carnegie Mellon
- ◆ Florida State
- ◆ George Mason U
- ◆ Idaho State
- ◆ Iowa State
- ◆ James Madison U
- ◆ Drexel University
- ◆ University of Maryland (Baltimore County)
- ◆ University of North Carolina, Charlotte
- ◆ West Virginia U
- ◆ Georgia Tech
- ◆ Syracuse U
- ◆ Purdue U
- ◆ Stanford
- ◆ UC Davis
- ◆ University of Illinois
- ◆ University of Idaho
- ◆ University of Tulsa
- ◆ Mississippi State U
- ◆ Norwich U
- ◆ George Washington U (DC)
- ◆ Indiana University of Pennsylvania (PA)
- ◆ New Mexico Tech (NM)
- ◆ North Carolina State U (NC)
- ◆ Northeastern University (MA)
- ◆ Polytechnic University (NY)
- ◆ State University of New York at Buffalo (NY)
- ◆ State University of New York at Stonybrook (NY)
- ◆ Towson University (MD)
- ◆ University of Maryland, University College (MD)
- ◆ University of Nebraska at Omaha (NE)
- ◆ University of Texas at San Antonio (TX)

4 DoD Institutions

- ◆ Naval Postgraduate School
- ◆ United States Military Academy, West Point
- ◆ Information Resources Management College (IRMC)/National Defense University (NDU)
- ◆ Air Force Institute of Technology



Disciplines & Programs of Study

- ◆ Computer Science
- ◆ Computer Engineering
- ◆ Software Engineering
- ◆ Computer Programming
- ◆ Computer Support
- ◆ Data Base Administration

- ◆ Operations Research
- ◆ Risk Management
- ◆ Systems Security Engineering
- ◆ Information Security

- ◆ IA Training, Education & Mgmt
- ◆ Defensive Information Systems
- ◆ Threat & Vulnerability Assessment

- ◆ Computer Systems Analysis
- ◆ Information Security
- ◆ Electrical Engineering
- ◆ Electronic Engineering
- ◆ Mathematics
- ◆ Biometrics
 - ◆ And more...



Resources: IA Publications

<http://iac.dtic.mil/iatac>

◆ Information Assurance Technology Center (IATAC)

◆ IA tools reports

◆ Critical reviews and technology assessment reports

◆ State-of-the-art reports

◆ *IA Newsletter*

◆ Published by DTIC/IA Technical Analysis Center (IATAC)

◆ 703-289-5454 or iatac@dtic.mil or <http://iac.dtic.mil/iatac>

◆ *Information Assurance Digest (distribution limited to DoD)*

◆ Published by DTIC/IATAC for the Joint Staff

◆ Request

◆ Fax to Joint Staff (J6) @ 703-614-7814

◆ E-mail to iatac@dtic.mil

◆ Articles extracted from magazines & newsletters (IA “early bird”)

◆ Integrated Conference/Meeting Event Calendar

◆ To add event E-mail iatac@dtic.mil



Resources: IA Publications

- ◆ ***Tech Trend Notes (Preview of Tomorrow's Information Technologies)***
 - ◆ Published by NSA: 301-688-0842, or ttnotes@tycho.ncsc.mil
- ◆ ***Computer Forensics Communication***
 - ◆ Published quarterly by Defense Computer Forensics Lab
 - ◆ <http://www.dcfl.gov> (look under "quarterly bulletins")
- ◆ ***The Internet as an Investigative Tool***
 - ◆ National White Collar Crime Center (NW3C) www.nw3c.org
 - ◆ Basic Internet Tools
- ◆ ***News and Views***
 - ◆ Published by Federal Information System Security Educators' Association (FISSEA)
 - ◆ E-mail fisseamembership@nist.gov for membership and newsletter
 - ◆ IA awareness, training and education
 - ◆ Upcoming conferences, seminars



Resources: Information Assurance Support Environment (IASE)



Address: <https://iase.disa.mil/index2.html>

Information Assurance Support Environment
IASE

Information Desk | IA Links | IA Acronyms | Search
A Clearinghouse for DoD IA Information.

Important IASE Messages

Click here for Featured Presentation

- DoD Enterprise Security Grid (ESG) Meeting
- IA Workshop - New Details now available
- Where's the FAQ?

IA News	Question Of The Week	What's New
IA Products	IA Town Hall	Solutions Database

TO REQUEST INFORMATION FROM IASE:
E-mail: iase@ncr.disa.mil
Phone: (703) 681-4273 DSN:761

For comments or suggestions: web@iase.disa.mil
Is this website helpful? Please let us know. Your support and involvement is what keeps the IASE fresh.

Areas of Interest

- PKI
- IA ALERTS
- TRADITIONAL SECURITY
- DITSCAP
- TECHNICAL GUIDANCE
- IA EDUCATION
- NIAP
- ASSURE CONTRACT
- CERTIFICATION & ACCREDITATION
- CAP
- TOOLS
- ANTIVIRUS
- SABI
- IA WORKSHOPS
- POLICY / GUIDANCE
- IA LIBRARY
- IASE CHATROOM



- ◆ Web Site: <http://iase.disa.mil>
- ◆ Information Desk: Operational 7:30 a.m. - 4:30 p.m. M-F, EST
 - ◆ E-mail: iase@ncr.disa.mil
 - ◆ Phone: (703) 681-IASE DSN 761
- ◆ Notices on What's New Area
- ◆ IA Daily News
- ◆ Question of the Week
- ◆ Chat Room
- ◆ Bulletin Board System
- ◆ Mail List Subscriptions



Resources: Security Guides - DISA

*Security Technical Implementation Guide (STIG)
Download --<http://iase.disa.mil/techguid/stigs.html>*

- ◆ Database STIG
- ◆ Logical Partition STIG
- ◆ MVS STIG
- ◆ Network Infrastructure STIG
- ◆ Novell Netware STIG
- ◆ Windows NT STIG
- ◆ Tandem STIG
- ◆ Unisys STIG
- ◆ UNIX STIG
- ◆ Web Application STIG

- ◆ Windows 2000

Best Practices



Resources: Security Guides - NSA

<http://www.nsa.gov>

- ◆ **Systems and Network Attack Center (SNAC)**
 - ◆ **Guide to Securing Microsoft Windows NT Networks & Applications**
 - ◆ **410-854-6529**

- ◆ **Windows 2000 Security Recommendation Guides (SRG)**
 - ◆ **inf. Files**
 - ◆ **configuration guide**
 - ◆ **supporting documents**
 - ◆ **<http://www.nsa.gov/winsecurity/index.html>**

- ◆ **Cisco Router Guides**
- ◆ **E-mail and Executable Content Guides**
- ◆ **Supporting Documents**

Best Practices



Resources: Security Benchmarks

- ◆ **The Center for Internet Security**
 - ◆ <http://www.cisecurity.org>
 - ◆ **Non Profit Consortium of Government, Industry, Academia**
 - ◆ **Security Benchmarks**
 - ◆ **Best Global Practices**
 - ◆ **Make-up: Network Security Vendors, Hardware Software Developers, Consultants**
 - ◆ **Member Supported**

Best Practices



Resources

◆ National Cyber Security Alliance: Stay Safe Online

◆ <http://www.staysafeonline.info/>

◆ Corporate and government members, sponsors

◆ Educate home/small business computer users in basic computer security practices,

◆ Personal computer security self-test

◆ Beginner's guides on various security topics

◆ One-hour online course on security fundamentals

◆ CyberCrime

◆ <http://www.cybercrime.gov>

◆ Maintained by DOJ, Computer Crime and Intellectual Property Section (CCIPS), Criminal Division

◆ Ways computers can be used to commit crimes

◆ How and to whom to report computer crimes

◆ What to do if you are the victim of computer crime.

◆ Links to cases, laws, legal issues, and policy issues surrounding hacking, intellectual property infringements, and other online offenses



Resources

◆ Hoax Busters

- ◆ <http://hoaxbusters.ciac.org>

- ◆ DOE Computer Incident Advisory Capability (CIAC)

- ◆ Clearinghouse of information about various types of Internet hoaxes

 - ◆ Fake viruses and other malicious code

 - ◆ Chain letters

 - ◆ Urban myths

 - ◆ Sympathy letters and other cons

- ◆ How to recognize hoaxes and what to do about them.

◆ Center for Education and Research in Information Assurance and Security (CERIAS)

- ◆ <http://www.cerias.purdue.edu/>

- ◆ Free security seminar on diverse security topics (Weds afternoons)

- ◆ Access via live internet stream.

- ◆ Computer security resources for K-12 teachers

 - ◆ background information

 - ◆ lesson plans

 - ◆ links to other web resources



Resources

◆ Computer and Information Ethics on WWW

- ◆ <http://www.ethics.ubc.ca/resources/computer/>

- ◆ University of British Columbia's Centre for Applied Ethics

- ◆ Lists web sites, electronic & print publications on ethical issues in computing.

- ◆ Courses in computer ethics

- ◆ Provides links to online syllabi to classes

- ◆ Links to relevant organizations.

◆ Security Statistics

- ◆ <http://www.securitystats.com/>

- ◆ Statistics on computer security incidents

- ◆ Information on

- ◆ Security spending,

- ◆ Known vulnerabilities,

- ◆ Numbers of reported security breaches

- ◆ Economic impact of incidents

- ◆ Arrests and convictions,

- ◆ Accuracy of reported statistics not guaranteed; but sources are provided